

**AMENDMENTS TO THE CLAIMS:**

Please cancel claims 1-12, without prejudice. Please add new claims 13-20, as shown below.

This listing of claims will replace all prior versions and listings of claims in the Application:

**Claims 1 - 12 (cancelled)**

**Claim 13 (new):** A method for producing a thin film comprising:

providing a first substrate having a face surface;

introducing ions into the first substrate at the face surface, such that microcavities are formed in the first substrate during or after introducing the ions, wherein the microcavities define a thin film layer extending from the first surface to the microcavities, and wherein the microcavities reside between solid bridges of the first substrate;

bonding a second substrate to the face surface of the first substrate; and

applying mechanical forces to fracture the solid bridges.

**Claim 14 (new):** The method for producing a thin film according to claim 13, further comprising applying energy to the first substrate.

**Claim 15 (new):** The method for producing a thin film according to claim 14, wherein applying energy comprises applying thermal energy.

**Claim 16 (new):** The method for producing a thin film according claim 14, wherein applying energy comprises applying energy after introducing ions.

**Claim 17 (new):** A method for producing a thin film comprising:

providing a first substrate having a face surface;

HAYES SOLOWAY P.C.  
130 W. CUSHING ST.  
TUCSON, AZ 85701  
TEL. 520.882.7623  
FAX. 520.882.7643

175 CANAL STREET  
MANCHESTER, NH 03101  
TEL. 603.668.1400  
FAX. 603.668.8567

introducing ions into the first substrate at the face surface and forming microcavities in the first substrate, wherein the microcavities define a thin film layer extending from the first surface to the microcavities, and wherein the microcavities reside between solid bridges of the first substrate;

bonding a second substrate to the face surface of the first substrate; and

applying mechanical forces to fracture the solid bridges.

**Claim 18 (new):** The method for producing a thin film according to claim 17, further comprising applying energy to the first substrate.

**Claim 19 (new):** The method for producing a thin film according to claim 17, wherein applying energy comprises applying thermal energy.

**Claim 20 (new):** The method for producing a thin film according to claim 17, wherein applying energy comprises applying energy after introducing ions.

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